

The surface area of the pyramid is 217 m^2 .

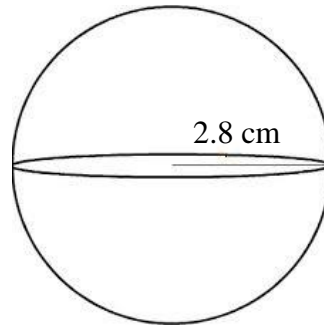
Spheres

1. Determine the surface area of a sphere with a diameter of 5.6 cm.

Step 1: Draw and label a diagram.

The diameter is 5.6 cm.

The radius is 2.8 cm.



Step 2: Choose the appropriate surface area formula.

$$SA_{\text{sphere}} = 4\pi r^2$$

Step 3: Calculate the surface area.

$$\begin{aligned} SA_{\text{sphere}} &= 4\pi (2.8 \text{ cm})^2 \\ &= 4\pi \times 7.84 \text{ cm}^2 \\ &= 98.5 \text{ cm}^2 \end{aligned}$$

The surface area of the sphere is approximately 98.5 cm^2 .